

U.S. Patent Application Serial No. 10/540,274
Amendment filed September 21, 2007
Reply to OA dated June 25, 2007

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A vehicle antitheft device mounted on a vehicle having a ~~start device~~ starter that starts an engine ~~[[when]] after a collation between an in-vehicle equipment and a~~ checks a radio signal from portable equipment by collation,

the vehicle antitheft device comprising:

~~through a radio communication is completed and an operation of a start operation means is performed, the vehicle antitheft device actuating~~

an actuator to actuate a predetermined theft preventing function; so as to prevent the vehicle from being thieved, the vehicle antitheft device comprising:

~~in-vehicle equipment current supplying means for supplying a supplier to supply an electric current to [[an]] in-vehicle electric equipment other than the starter, under a condition where after said collation is completed but before electric current is sent to the starter; an engine start is performed by said start device in the vehicle; and~~

~~activation limiting means for limiting an~~ a limiter to limit activation of said predetermined theft preventing function when a current ~~supply is first supplied~~ is first supplied to said in-vehicle electric equipment, ~~by said in-vehicle equipment current supplying means is started.~~

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Claim 2 (Original): The vehicle antitheft device as claimed in claim 1, wherein

said start operation means is a start switch that is operated to be a current supply permitting state to said in-vehicle electric equipment and a start permitting state of the engine stepwisely in that order;

said in-vehicle equipment current supplying means permits a current supply to said in-vehicle electric equipment by being operated to be in the current supply permitting state to said in-vehicle electric equipment; and

said activation limiting means limits said predetermined theft preventing function when the current supply to said in-vehicle electric equipment by said in-vehicle equipment current supplying means is started within a predetermined time period after said start operation means is operated to be in the current supply permitting state to said in-vehicle electric equipment.

Claim 3 (Original): The vehicle antitheft device as claimed in claim 2, wherein said start operation means is a push-type start switch, provided in the vehicle, which is pressed down by a vehicle driver.

Claim 4 (Original): The vehicle antitheft device as claimed in claim 3, wherein the vehicle is equipped with a mechanical start device that starts the engine when an ignition operation is performed in a state where a key is inserted in an ignition key cylinder, and said predetermined theft

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preventing function includes at least a function to give warning when a turn-on of an ignition is detected in a state where said key is not inserted in said ignition key cylinder.

Claim 5 (Currently Amended): The vehicle antitheft device as claimed in claim 1, wherein said start operation means is a ~~push-type start switch~~ momentary-contact switch, provided in the vehicle, which is pressed by a vehicle driver.

Claim 6 (Original): The vehicle antitheft device as claimed in claim 5, wherein the vehicle is equipped with a mechanical start device that starts the engine when an ignition operation is performed in a state where a key is inserted in an ignition key cylinder, and said predetermined theft preventing function includes at least a function to give warning when a turn-on of an ignition is detected in a state where said key is not inserted in said ignition key cylinder.

Claim 7 (Original): The vehicle antitheft device as claimed in claim 1, wherein the vehicle is equipped with a mechanical start device that starts the engine when an ignition operation is performed in a state where a key is inserted in an ignition key cylinder, and said predetermined theft preventing function includes at least a function to give warning when a turn-on of an ignition is detected in a state where said key is not inserted in said ignition key cylinder.

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Claim 8 (Original): The vehicle antitheft device as claimed in claim 2, wherein the vehicle is equipped with a mechanical start device that starts the engine when an ignition operation is performed in a state where a key is inserted in an ignition key cylinder, and said predetermined theft preventing function includes at least a function to give warning when a turn-on of an ignition is detected in a state where said key is not inserted in said ignition key cylinder.